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TELESCOPED MULTIWALL NANOTUBE AND MANUFACTURE THEREOF

ABSTRACT OF THE DISCLOSURE

10 The invention relates to a method for forming a telescoped multiwall nanotube.
Such a telescoped multiwall nanotube may find use as a linear or rotational bearing in
microelectromechanical systems or may find use as a constant force nanospring. In the
method of the invention, a multiwall nanotube is affixed to a solid, conducting substrate
at one end. The tip of the free end of the multiwall nanotube is then removed, revealing
15 the intact end of the inner wall. A nanomanipulator is then attached to the intact end, and
the intact, core segments of the multiwall nanotube are partially extracted, thereby
telescoping out a segment of nanotube.